

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	)	
DONALD L. SCHILLING	)	
Serial No. NOT YET ASSIGNED	)	Group Art Unit:
Filed:	)	Examiner:
For: SPREAD-SPECTRUM DATA	)	
DETECTION USING MATCHED-	)	
FILTER OBTAINED SIDE	)	
INFORMATION	)	

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Honorable Commissioner of Patents  
P.O. Box 1450  
Arlington, VA 22313-1450

Sir:

PRELIMINARY AMENDMENT A

Prior to the calculating the filing fee, kindly enter the following amendment.

IN THE ABSTRACT:

Substitute the following Abstract, for the current Abstract, a copy of which is attached to this Amendment:

--ABSTRACT

An improvement to a spread-spectrum receiver having a matched filter. A symbol sampler samples at the symbol time  $T_s$ , a symbol sample from the matched filter. A noise sampler samples at a plurality of chip times  $kT_c$ , but not at the symbol